

Raw Sequence Listing Error Summary .

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 091909,567A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ **Wrapped Nucleics
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ **Misaligned Amino
Numbering** The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☐ **Variable Length** Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ **PatentIn 2.0
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ **Skipped Sequences
(OLD RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ **Skipped Sequences
(NEW RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000
- 9 ☒ **Use of n's or Xaa's
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ **Invalid <213>
Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☐ **Use of <220>** Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ **PatentIn 2.0
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

OICE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/909,567A

DATE: 12/12/2001
TIME: 11:40:36

Input Set : A:\DEX-214.txt
Output Set: N:\CRF3\12112001\I909567A.raw

Does Not Comply
Corrected Diskette Needed

Errors on pp. 2 & 4

3 <110> APPLICANT: Macina, Roberto A
4 Nair, Manoj
5 Chen, Seiyu
7 <120> TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific
8 Genes
10 <130> FILE REFERENCE: DEX-0214
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/909,567A
C--> 13 <141> CURRENT FILING DATE: 2001-07-20
15 <150> PRIOR APPLICATION NUMBER: 60/219,834
16 <151> PRIOR FILING DATE: 2000-07-21
18 <160> NUMBER OF SEQ ID NOS: 56
20 <170> SOFTWARE: PatentIn Ver. 2.1
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 1449
24 <212> TYPE: DNA
25 <213> ORGANISM: Homo sapiens
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31 ttactttgac tgcgtggaggc agggaaacct ggtcaccgtc tcctcagctt ccaccaaggg 240
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33 gggctgcctg gtcaaggact acttccccga accggtgacg gtgtcgtgga actcaggcgc 360
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35 cagcagcgtg gtgaccgtgc cctccagcag cttgggcacc cagacctaca cctgcaactg 480
36 gaatcacaaag cccagcaaca ccaagggtgga caagagagtt gagctcaaaa cccacttgg 540
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46 aggtctctac cccagcgaca tcgcccgtgga gtgggagagc agcgggcagc cggagaacaa 1140
47 ctacaacacc acgcctccca tgcgtgactc cgacggctcc ttcttctct acagcaagct 1200
48 caccgtggac aagagcaggt ggcagcaggg gaacatcttc tcatgctccg tgatgcatga 1260
49 ggctctgcac aaccgcttca cgcagaagag cctctccctg tctccgggta aatgagtgcg 1320
50 acggccggca agccccgct ccccgggctc tcggggtcgc gcgaggatgc ttggcacgta 1380
51 ccccggtgac atacttccc ggcacccagc atggaaataa agcaccacgc gctgcccctgg 1440
52 gccctgctg
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 3825
57 <212> TYPE: DNA
58 <213> ORGANISM: Homo sapiens
60 <220> FEATURE:

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61 <221> NAME/KEY: unsure
62 <222> LOCATION: (428)
64 <220> FEATURE:
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66 <222> LOCATION: (430)
68 <220> FEATURE:
69 <221> NAME/KEY: unsure
70 <222> LOCATION: (1997)..(1998)
72 <400> SEQUENCE: 2

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81 agagaatctg tggacgctca agaggaaatc aggaaagtgg agaagagagc tacttatgtt 540
82 cataaagatg gactaaattc cactgatcac atggtgcccg aactgaaag ttatgatgca 600
83 gttgaaatca tccgcaaggt tgcagtgcct cctcgectgt cagagcacac acagagatat 660
84 gaagcggcca accgaactgt tcaaatggct gaaaatttcg tgaatgaccc tgaaaatgaa 720
85 ataaacagat ggttcaggga atttgagcat ggcccagttt ctgaagcaa gtcaaataga 780
86 agagtttatg caaaggggaga aacaaaccat aacatacaac aagaaagtgc tacattttgt 840
87 aaggaggaat ttggattaac atcttttagga aacacgagtt ttacagactt ttcttgcaa 900
88 catcctagag aactgcgaga aaagattcct gttaagcagc ccaggatctg ctctgaaacc 960
89 aggtctctaa gtgaacattt ctcaggcatg gatgcatttg agagtcaa atgttgagtcg 1020
90 aagatgaaaa cctcttcac acatagctca gaagctggca aatctggctg tgacttcaa 1080
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92 cctaaagaag taagaaaaaa ttttcaaaag acgtggcaag agagtggag agtttttaaa 1200
93 ggccctgggat atgcaaccgc agatgcttct gcaactgaga tgagaaccac cttccaagag 1260
94 gaatctgcat ttataagtga agctgctgct ccaagacaag gaaatatgta tactttgtca 1320
95 aaagacagtt tatccaatgg agtgcctagt ggcagacaag cagaattttc ataagtcctg 1380
96 cttccgatgc caccattgca acagtaaaact aagtttgga aattatgcat cacttcatgg 1440
97 acaaatatac tgtaaacctc actttaaaca acttttcaa tccaaaggaa attatgatga 1500
98 aggttttgga cataagcagc ataaagatag atggaactgc aaaaaccaa gcagatcagt 1560
99 ggaactttatt cctaatagaag aaccaaatat gtgtaaaaat attgcagaaa acacccttgt 1620
100 acctggagat cgtaataaac atttagatgc tggtaacagt gaagggcaaa ggaatgattt 1680
101 gagaaaatta ggggaaagg gaaaattaaa agtcatttgg cctccttcca aggagatccc 1740
102 taagaaaacc ttacccttgg aggaagagct caaaatgagt aaacctaat ggccacctga 1800
103 aatgacaacc ctgctatccc ctgaatttaa aagtgaatct ctgctagaag atgttagaac 1860
104 tccagaaaat aaaggacaaa gacaagatca ctttccattt ttgcagcctt atctacagtc 1920
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107 agacacaaa agtaacagga aaagtgtat ggaatcttaat gacaacaata atgtgattgt 2100
108 gcagagtgtc gaaaaggaga aaaatgaaaa aactaaccaa actaatggtg cagaagtttt 2160
109 acaggttact aacactgatg atgagatgat gccagaaaat cataaagaaa atttgaataa 2220
110 gaataataat aacaattatg tagcagctc atatatgaat aattgcaggc agaagacatc 2280
111 tatttttagaa tttcttgatc tattaccctt gtcgagtga gcaaatgaca ctgcaaatga 2340
112 atatgaaatt gagaagttag aaaatacatc tagaatctca gagttacttg gtatatattga 2400

*Please explain what residue n represents in 2237.
See error summary sheet, item 9*

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115 tggtaaagg gggaggttca atcatctctc ctgatacaaa tctcttaaac attaaaggaa 2580
116 gccattcaaa gagcaaaaat ttacactttt tcttttctaa caccgtgaaa atcactgcat 2640
117 tttccaagaa aaatgagaac attttcaatt gtgatttaat agattctgta gatcaaatta 2700
118 aaaatatgcc atgcttggat ttaagggaat ttggaaagga tgttaaacct tggcatgttg 2760
119 aaacaacaga agctgcccgc aataatgaaa acacagggtt tgatgctctg agccatgaat 2820
120 gtacagctaa gcctttgttt cccagagtgg aggtgcagtc agaacaactc acggtggaag 2880
121 agcagattaa aagaaacagg tgctacagtg aactgagta aaatatctat ggccactgac 2940
122 agtccacact taggcactga gagatattga tgttctgaaa taagatttta tgaatttgga 3000
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127 gtcacaatta ttataacttc tctgtaattt cctctgaaat aaaattgaat cacctgaggt 3300
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129 tcttctgtgac ttgggaagta tttgtcttga ggcaagtatt taccaccac actaaaataa 3420
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133 ccagaataat gtgaagtcca tactcagaaa ttaactagaa aggtttttaga cactacttaa 3660
134 ataaattatt cacattgcat ttgtattgct tgctctgtgt aatggataag tataacaatc 3720
135 atatcactac agtttgtcag gttttcttct tatcatattt gatgaatatt aagtttttct 3780
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140 <211> LENGTH: 2315
141 <212> TYPE: DNA
142 <213> ORGANISM: Homo sapiens
144 <400> SEQUENCE: 3
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146 ttgtccttcc ctcaaaaaac accctgagta tggacagggc ttcccgactc tgcagactac 120
147 acgccgtcca tgagcagtgcc ccaggtgtca ttacctgccc atgagatgtg acctgggcag 180
148 ggggtccccc ctgtaccctt gggccccagg agggaagccc agcatgtcag gctgaagcgg 240
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150 tcagtgggcc cccactctg cagaatgtgc acccccagct ctgatgtctc ttccagggtg 360
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152 tcatcacata cacggtcggc gtctcggacc ccgcggtctg cagccaaggg cctctgtcca 480
153 ctaccctgac cttctccagc ccggtgacca accaagccat tgccatcca gtgacagtgg 540
154 cttttgtgat ggatcgccgt gggccccggc cttatggagc cagcctcttc cagcaacttc 600
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156 tgatcatagc ctaccacact gtctgcacgc cccgggatct tgctgtgcct gcagccctca 720
157 cgctcagagc cagccctggg acacagcccc cactatttcg ctgctcctc acccacatct 780
158 cccaatgcat tgccctcctg tcgcaaaagg agccctccct cagggtctgt gagccaggc 840
159 ctatggcctc ccactagggc cgcgtgaagg ttcccgagg atgggtctc agccgagcct 900
160 cgttgcaacc cccaagatgg aacatccctt gctgcattca cactggaaca agccctcca 960
161 gatgagtggc ccggccccag gccagcttca ctgcctgtc ttcacacaga gctgtagttt 1020
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163 agtcttcaaa agctaagact ttttggctca ttctttttt catggttgtc tagggtttct 1140
164 ggacaatgtg ctgttgcat tttattttcc tagccttgtt aaaatcttct ccttctcaag 1200

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Input Set : A:\DEX-214.txt
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166 ctcagggaaa ggattgtcca gttacttttag ggggtttttg gtggggtttt tccccctgtg 1320
167 aaaacttact ttgcccctag tctggctgct gctaggactt ctgaggagca atgggacatg 1380
168 agtgtccctg tatctgcgcc actgccgcaa gggaagcctc aggaaccagc acctggaggc 1440
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171 gttgagacat ctgatggact tggcttaggc cctgctggga catcccacgt gtgateccctt 1620
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181 tcagggctgg gccatgtggt tgatttttct aaagctggag aaaggaagaa ttgtgccttg 2220
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183 ttttaataaag ttctatgtga tttttaaaaa aaaaa 2315

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188 <212> TYPE: DNA

189 <213> ORGANISM: Homo sapiens

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192 <221> NAME/KEY: unsure

193 <222> LOCATION: (8)

195 <400> SEQUENCE: 4

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198 agtgccccca agaggagcca gggctggctg cagtgaggcc ccaggagggt ctccaggggc 180
199 gtctgtcttc agctcaaggg gctaggaata ggggaaacga tgcagggaag ccaatggccc 240
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205 <212> TYPE: DNA

206 <213> ORGANISM: Homo sapiens

208 <400> SEQUENCE: 5

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211 taagcacaag aaatgaaaat aagctgcttc ctaaaccatcc tcatttagtg cggcaaaagc 180
212 ggccttgat caccgcccc gtggctcttc gggagggaga ggatctgtcc aagaagaatc 240
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218 aagagttgag tgcagcatat actcttgatg tgaaaatcaa tgcaacagat gcagatgagc 600
219 ccaataccct gaattcgaaa atttcctata gaatcgtatc tctggagcct gcttatcctc 660
220 cagtgttcta cctaaataaa gatacaggag agatttatac aaccagtgtt accttgagac 720

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223 tacctgtagt agaaaataaa gtgcttgaag ggatgggtga agaaaatcaa gtcaacgtag 900
224 aagttacgcg cataaaagtg ttcgatgcag atgaaatagg ttctgataat tggctggcaa 960
225 attttacatt tgcatacagg aatgaaggag gttatttcca catagaaaac gatgctcaaa 1020
226 ctaacgaagg aattgtgacc cttattaagg aagtagatta tgaagaaatg aagaatcttg 1080
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228 agcctacacc cattcccatc aaggtcaaag tgaaaaatgt gaaagaaggc attcatttta 1200
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233 ttgtggccat atcagaagat tatcctagaa aaaccatcac tggcacagtc cttatcaatg 1500
234 ttgaagacat caacgacaaac tgtccacac tgatagagcc tgtgcagaca atctgtcacg 1560
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250 cttctatttg ttgttgcatg tttattgaag gagagctaga tgaccgcttc ttagatgatt 2520
251 tgggacttaa attcaagaca ctagctgaag tttgcctggg tcaaaaaata gatataaata 2580
252 aggaaattga gcagagacaa aaacctgcca cagaaacaag tatgaacaca gtttcacatt 2640
253 cactctgtga gcaaaactat gttaattcag agaataccta ctctctggc agtagcttcc 2700
254 cagttccaaa atctttgcaa gaagccaatg cagagaaagt aactcaggaa atagtcaactg 2760
255 aaagatctgt gtcttctagg caggcgcaaa aggtagctac acctcttctt gaccatattg 2820
256 cttctagaaa tgtgatagca acagaaactt cctatgtcac aggttccact atgccacca 2880
257 cactgtgat cctgggtcct agccagccac agagccttat tgtgacagag aggtgtatg 2940
258 ctccagcttc taccttggtg gatcagcctt atgctaatag aggtacagtt gtggtcactg 3000
259 aaagagtaat acagcctcat ggggggtggat cgaatcctct ggaaggcact cagcatcttc 3060
260 aagatgtacc ttacgtcatg gtgagggaaa gagagagctt ccttgcccc agctcagggtg 3120
261 tgcagctac tctggccatg cctaataatg cagtaggaca gaatgtgaca gtgacagaaa 3180
262 gagttctagc acctgcttcc actctgcaat ccagttacca gattcccact gaaaattcta 3240
263 tgacggctag gaacaccacg gtgtctggag ctggagtccc tggccctctg ccagattttg 3300
264 gtttagagga atctggtcat tetaattcta ccataaccac atcttccacc agagtcacca 3360
265 agcatagcac tgtacagcat tcttactcct aaacagcagt cagccacaaa ctgaccacaga 3420
266 gtttaattag cagtactaa tttcatgttt ccaatgtacc tgatttttca tgagccttac 3480
267 agacacacag agacacatac acattgatct taaaattttt ctgagtcact gatatgcaaa 3540
268 ggaccacact gtctctgctt ccaggagtat tttagaaatg ttccacaatt tactgaagac 3600
269 atagagatga tgctgctgct taggtgcctt ttagcaagct atgcaacaa tcctgataaa 3660

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,567A

DATE: 12/12/2001

TIME: 11:40:37

Input Set : A:\DEX-214.txt

Output Set: N:\CRF3\12112001\I909567A.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:80 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:106 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:196 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:338 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:445 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:446 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:447 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:448 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:452 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:453 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:954 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:982 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:18
L:982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1175 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1176 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1177 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1178 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1179 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1180 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1399 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1400 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1400 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1401 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1402 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1403 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/909,567A

DATE: 12/12/2001

TIME: 11:40:37

Input Set : A:\DEX-214.txt

Output Set: N:\CRF3\12112001\I909567A.raw

L:1404 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:22
L:1404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:1738 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:38
L:1738 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38